

BOW ELECTRONIC SOLDERS -- COPPERMATE SOLDERING FLUX -- 3439-00-255-9935

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Product Identification
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Product ID:COPPERMATE SOLDERING FLUX

MSDS Date:01/08/1998

FSC:3439

NIIN:00-255-9935

Status Code:A

MSDS Number: CKYGF

=== Responsible Party ===

Company Name:BOW ELECTRONIC SOLDERS

Address:1 CROSSMAN RD

City:SAYREVILLE

State:NJ

ZIP:08872

Country:US

Info Phone Num:732-316-2100

Emergency Phone Nu

m:800-535-5053

CAGE:3A822

=== Contractor Identification ===

Company Name:BOW ELECTRONIC SOLDERS (REPLACED BY CAGE 52329)

Address:1 CROSSMAN RD

Box:City:NEWARK

State:NJ

ZIP:07100

Country:US

CAGE:3A822

Company Name:MILNUCORP INC

Address:3220-A INDUSTRIAL WAY

Box:City:SNELLVILLE

State:GA

ZIP:30039

Country:US

Phone:404-524-3181 / FAX: 770-736-5094

Contract Num:SPO-400-00-A-AC75

CAGE:0RY69

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Composition/Information on Ingredients
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Ingred Name:ZINC CHLORIDE

CAS:7646-85-7

RTECS #:ZH1400000
Minumum % Wt:40.
Maxumum % Wt:50.
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3
ACGIH STEL:2 MG/M3
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:AMMONIUM CHLORIDE
CAS:12125-02-9
RTECS #:BP4550000
Minumum % Wt:1.
Maxumum % Wt:10.
OSHA PEL:10 MG/M3
ACGIH TLV:10 MG/M3
ACGIH STEL:20 MG/M3
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:PETROLEUM, TECH GRADE
CAS:8009-03-8
RTECS #:SE6780000
Minumum % Wt:40.
Maxumum % Wt:50.

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===== Hazards Identification =====
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Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:CORROSIVE-EYE AND SKIN HAZARD.
Explanation of Carcinogenicity:THIS PRODUCT HAS NOT BEEN LISTED AS A
SUSPECT CARCINOGEN BY NTP, IARC OR OSHA
Effects of Overexposure:INHALATION OF FUMES MAY CAUSE IRRITATION OR
INJURY TO THE RESPIRATORY TRACT. INGESTION MAY CAUSE INJURY TO THE
MOUTH AND DIGESTIVE TRACT. PROLONGED SKIN CONTACT WILL CAUSE
IRRITATION AND INFLAMMATION. EYE CONTACT MAY
RESULT IN DAMAGE TO
THE EYES MEMBRANE.

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===== First Aid Measures =====
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First Aid:INHALATION-MOVE VICTIM TO FRESH AIR. SEEK MEDICAL ASSISTANCE
IMMEDIATELY. SKIN CONTACT-WASH AFFECTED AREA IMMEDIATELY WITH SOAP
AND WATER. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. EYE
CONTACT-FLUSH EYES WITH WATER FOR 15 MINS, CALLA PHYSICIAN.
INGESTION-INGEST LARGE QUANTITIES OF WATER TO DILUTE, DO NOT INDUCE
VOMITING. CALL A PHYSICIAN IMMEDIATEL

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Fire Fighting Measures
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Flash Point Method:COC

Flash Point:=204.4C, 400.F

Extinguishing Media:USE CO2 OR DRY CHEMICAL ON SURROUNDING FIRE.

Fire Fighting Procedures:WATER MAY BE INEFFECTIVE & MAY CAUSE FROTHING WHEN SPRAYED ON HOT BURNING LIQUIDS. USE NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:MAY RELEASE ZINC CHLORIDE, ZINC OXIDE OR AMMONIA FUMES. DENSE SMOKE MAY BE GENERATED WHILE BURNING.

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Accidental Release Measures
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Spill Release Procedures:EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE, USE PRECAUTION WHEN DISCARDING. AN APPROVED CHEMICAL SEWER OR CONTAINERIZE FOR PROPER DISPOSAL.

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Handling and Storage
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Handling and Storage Precautions:GENERAL STORAGE PROCEDURES ACCEPTABLE.

Other Precautions:MATERIAL IS NOT COMPATIBLE WITH STRONG OXIDIZERS.

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Exposure Controls/Personal Protection
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Respiratory Protection:IF FUMES EXCEED MINIMUM OSHA LIMITS, AN APPROVED RESPIRATOR IS RECOMMENDED.

Ventilation:PROVIDE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO MEET OSHA LIMITS. IT IS RECOMMENDED THAT A LOCAL EXHAUST BE USED TO REMOVE ZINC FUMES.

Protective Gloves:GLOVES ARE RECOMMENDED TO PREVENT SKIN CONTACT.

Eye Protection:SAFETY GLASSES OR GOGGLES ARE REQUIRED.

Other Protective Equipment:GLOVES AND OTHER PROTECTIVE CLOTHING RECOMMENDED TO PREVENT SKIN CONTACT.

Work Hygienic Practices:AVOID INHALATION OR INGESTION. PRACTICE GOOD HOUSEKEEPING AND PERSONAL HYGIENE PROCEDURES.

Supplemental Safety and Health

NFPA RATING: HEALTH=1, FLAMMIBILITY=0, REACTIVITY=0, SPECIAL=0.

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Physical/Chemical Properties
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HCC:N1

Melt/Freeze Pt:=62.8C, 145.F

Spec Gravity:1.1

Solubility in Water:INSOLUBLE.

Appearance and Odor:PASTE.

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Stability and Reactivity Data
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Stability Indi

cator/Materials to Avoid: YES

STRONG OXIDIZERS MAY CAUSE VIOLENT REACTION.

Stability Condition to Avoid: NOT APPLICABLE.

Hazardous Decomposition Products: ZINC CHLORIDE FUME, HYDROGEN CHLORIDE.

===== Disposal Considerations =====

Waste Disposal Methods: IF HAZARDOUS UNDER 40 CFR 261, SUBPARTS B & C, MATERIAL MUST BE TREATED OR DEISCARDED IN A FACILITY MEETING THE REQUIREMENTS OF 40 CFR. IF NON-HAZARDOUS, MATERIAL SHOULD BE DISPOSED IN A FACILITY MEETING THE REQUIREMENTS OF 40 CFR 257.

===== Regulatory Information =====

Federal Regulatory Information: RCRA STATUS OF UNUSED MATERIAL: IF DISCARDED IN UNALTERED FORM, MATERIAL SHOULD BE TREATED TO DETERMINE IF IT MUST BE CLASSIFIED AS A HAZARDOUS WASTE FOR DISPOSAL PURPOSES. UNDER SPECIFIC CIRCUMSTANCES, APPLICATION CAN BE MADE TO THE EPA ADMINISTRATION TO HAVE A PARTICULAR WASTE DESIGNATED NON-HAZARDOUS.

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